Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/17/2019 12:47 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124798	-1	0.97	124877	0.98
Blue	F	SSC	125000	123768	-1	1.59	124571	1.61
Blue	E	FITC	16122	15665	-3	2.60	342	19.51
Blue	D	PE	29316	28860	-2	1.78	628	14.19
Blue	B	PerCP-Cy5-5	42590	42057	-2	3.53	1139	20.15
Blue	A	PE-Cy7	33146	33456	0	5.90	634	39.70
Red	C	APC	45473	45299	-1	2.42	1606	12.13
Red	A	APC-Cy7	31961	30962	-4	2.38	817	11.60
Violet	B	V450	7914	7523	-5	4.92	422	13.61
Violet	A	V500	29769	28310	-5	4.73	657	10.75

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21299	2.79	605	5	N/A	N/A	Pass
Blue	F	SSC	56278	1.04	548	10	N/A	N/A	Pass
Blue	E	FITC	63	63.54	538	1	0.0217	180	Pass
Blue	D	PE	132	47.17	540	3	0.1729	253	Pass
Blue	B	PerCP-Cy5-5	208	49.06	642	4	0.0091	44	Pass
Blue	A	PE-Cy7	120	98.22	696	5	0.0117	19	Pass
Red	C	APC	381	24.40	585	6	0.0236	52	Pass
Red	A	APC-Cy7	179	28.29	560	4	0.0061	1162	Pass
Violet	B	V450	65	62.90	464	4	0.0565	2762	Pass
Violet	A	V500	99	35.58	476	4	0.0246	1197	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.29	-32.18	0.99
Blue	20.35	16.27 - 24.41	1.29	0.99 - 1.49	0.00	0.00	1.50
Red	16.19	13.60 - 20.40	N/A	N/A	29.99	30.25	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9725

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments